

Parabolic antenna JRMD-900-6 MIMO

Dual-polarized (with connectors) parabolic antenna **JRMD-900-6 MIMO** is designed for links with MIMO mode at the 6 GHz frequency band. Precise performance with deep reflector dish complies with standard ETSI class 2.

Electrical parameters:

| | |
|-------------------------------------|---|
| Frequency range | 5.9 – 7.125 GHz |
| Gain | 33.0 ± 1 dBi |
| Front to back ratio | ≥ 53 dB |
| Beamwidth_{-3 dB} | 3.1° |
| VSWR | < 1.4 |
| Polarization | Linear, vertical/horizontal or 45° |
| Electrical Compliance | Class 2 ETSI EN 302-217-4-2 v1.5.1 |
| Isolation between connectors | ≥ 35 dB |
| Type of connectors | R-SMA or N |

Mechanical parameters:

| | |
|------------------------------|---|
| Parabola | Ø 900 mm , aluminium alloy |
| Radome | UV steady plastic ABS |
| Installation for mast | Ø 40 – 120 mm |
| Operating wind load | 140 km/h (87 mph) |
| Survival wind load | 210 km/h (130 mph) |
| Weight of antenna | 8.2 kg (18.1 lbs.) |
| of holder | 3.2 kg (7.1 lbs.) |
| Shipping dimensions | 1000 x 990 x 430 mm / 18 kg (39.7 lbs.) |

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Usage:

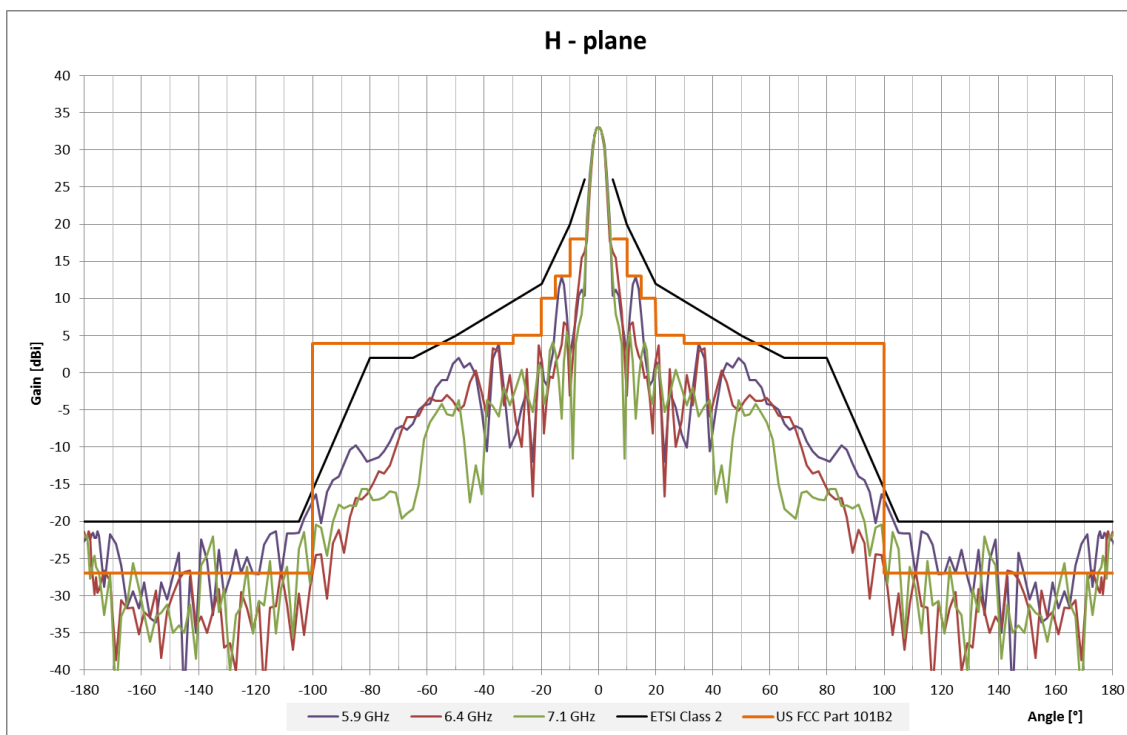
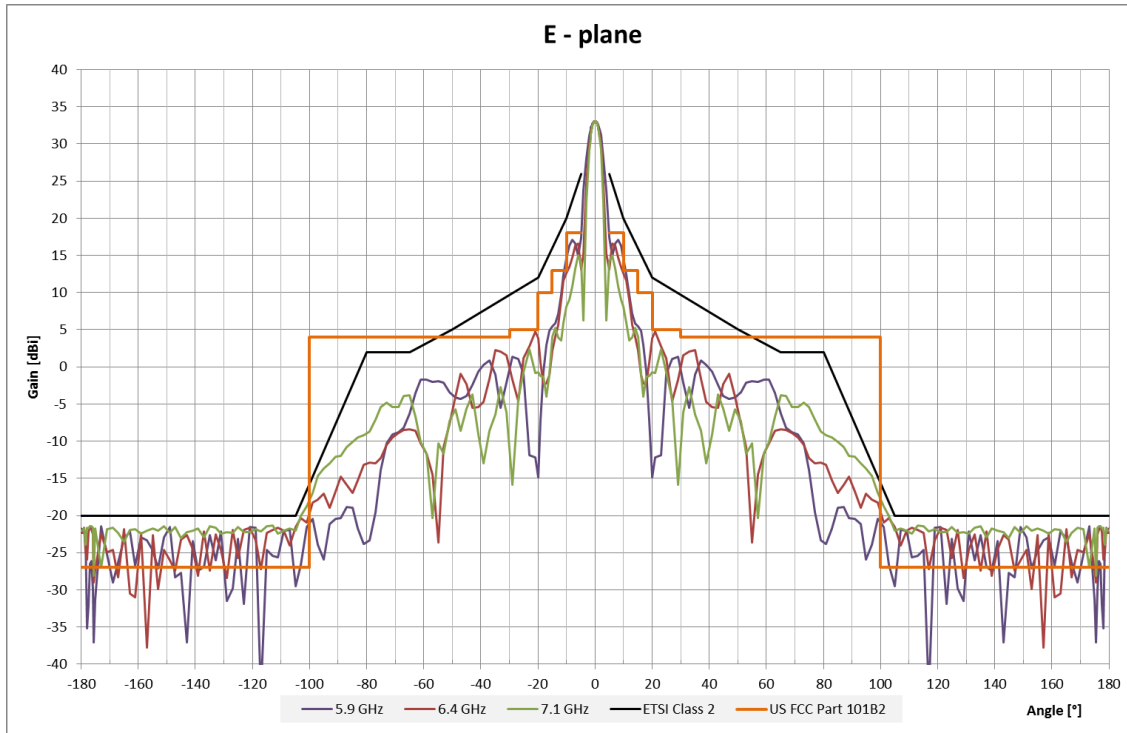
- deep parabola for better electrical parameters
- **easy to assembly:** first the holder and then the antenna only by 2 screws
- **fine setting** elevation (of gradient) $\pm 20^\circ$ and azimuth $\pm 16^\circ$
- **fine setting** polarization $\pm 5^\circ$
- extreme wind stability

The antenna is supplied together with a holder that allows easy mounting on a mast. Holder can be installed separately on the mast. Subsequently, you can simply hang up the antenna with microwave unit into it. The holder allows precise adjustment in both directions. Ready for right and left side mounting.

In the areas with the expected occurrence of the strong winds mounting on the mast with minimal \varnothing 70 mm is recommended.

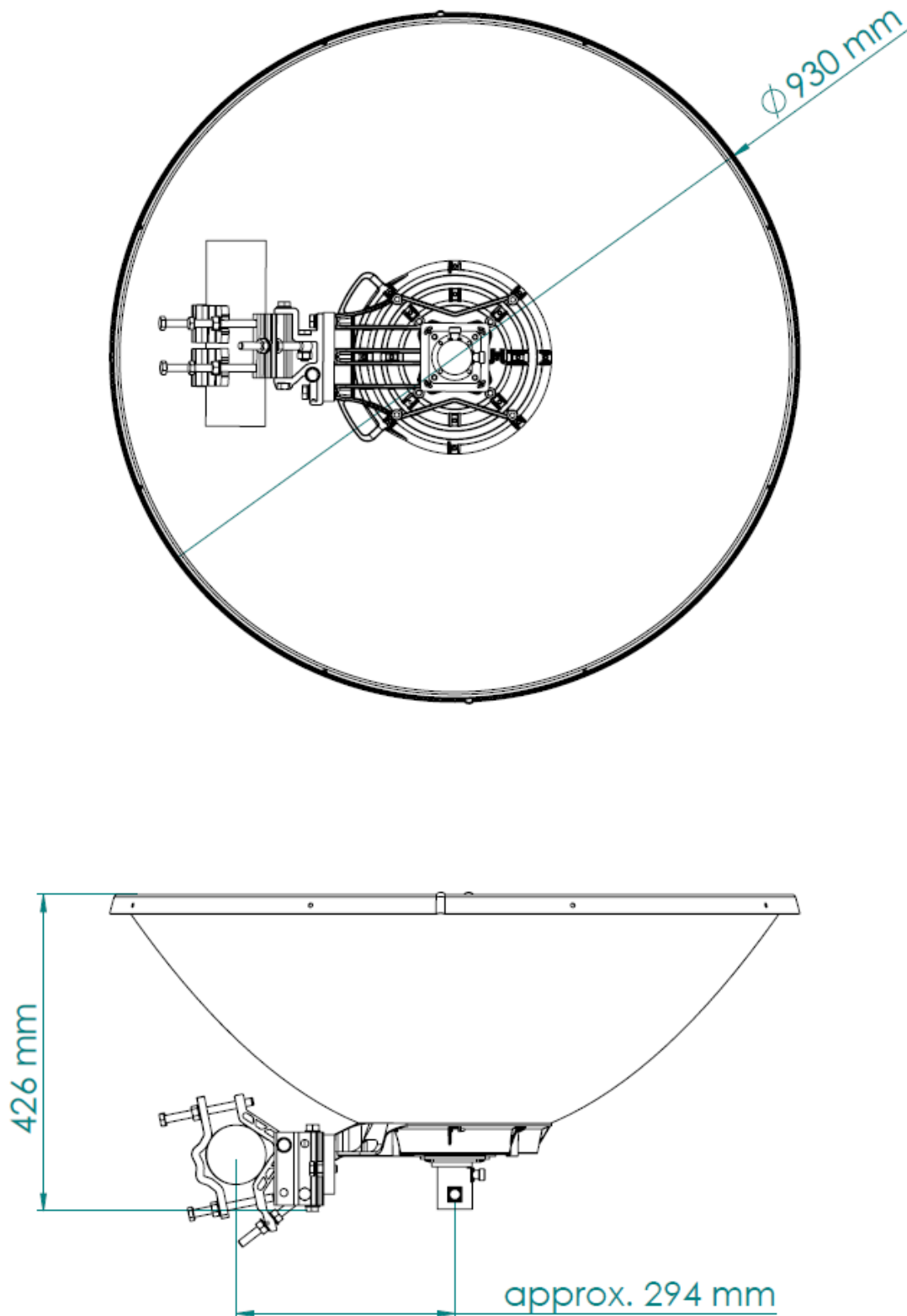
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Measurement of radiation pattern:



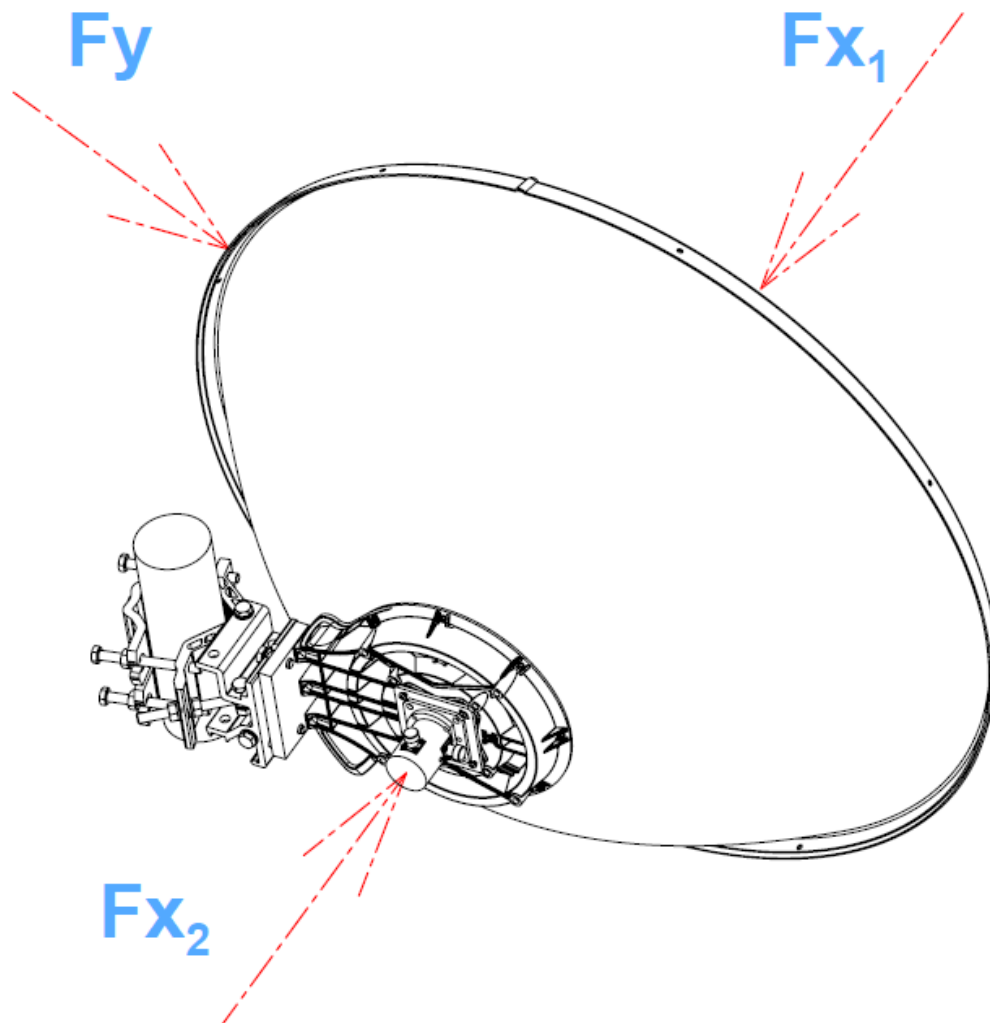
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Outline:



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Wind loading:



Wind loading 200 km/h [125 mph]

| Direction | Force [N] | Force [lbf] |
|-----------|-----------|-------------|
| F_{X_1} | 1443 | 324.4 |
| F_{X_2} | 1324 | 297.65 |
| F_y | 200 | 45 |